

## ABSTRACT OF THE DISCLOSURE

A method of distributing data across a network having a plurality of equal-cost paths. Also, a device for distributing data over a network according to the method. The data, which is typically contained in data packets, may be distributed based on at least one attribute of each of the packets. The data may also be distributed according to a weighted distribution function that allows for unequal amounts of traffic to be distributed to each of the equal-cost paths.